

SEQ List.ST25.txt
SEQUENCE LISTING

<110> Johnson & Johnson Pharmaceutical Research and development

<120> HUMAN CYCLOOXYGENASE-3 AND USES THEREOF

<130> PRD-

<160> 15

<170> PatentIn version 3.2

<210> 1

<211> 24

<212> DNA

<213> Primer

<400> 1

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24

<210> 2

<211> 25

<212> DNA

<213> primer

<400> 2

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<211> 93

<212> DNA

<213> Homo sapiens

<400> 3

tgagtgcgac cccggtgccc ggtggggaat tttcttgccc tcttggtgga gccttgaatg

60

ccagctcagc ccctcatctc tctcctctgc agg

93

<210> 4

<211> 31

<212> PRT

<213> Homo sapiens

<400> 4

Glu Cys Asp Pro Gly Ala Arg Trp Gly Ile Phe Leu Ala Ser Trp Trp
1 5 10 15

Ser Leu Glu Cys Gln Leu Ser Pro Ser Ser Leu Ser Ser Ala Gly
20 25 30

<210> 5

<211> 93

<212> DNA

<213> Homo sapiens

<400> 5

tgagtgcgac cccggtgccc ggtggggaat tttcttgccc tcttggtggag ccttgaatgc

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SEQ List.ST25.txt

caggctcagc ccctcatctc tctcctctgc agg 93

<210> 6
<211> 31
<212> PRT
<213> Homo sapiens

<400> 6

Glu Cys Asp Pro Gly Ala Arg Trp Gly Ile Phe Leu Ala Ser Gly Gly
1 5 10 15

Ala Leu Asn Ala Arg Leu Ser Pro Ser Ser Leu Ser Ser Ala Gly
20 25 30

<210> 7
<211> 24
<212> DNA
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<400> 7
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<210> 8
<211> 1893
<212> DNA
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<400> 8
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SEQ List.ST25.txt

gtgttgatgc actacccccg aggcattccc cccagagcc agatggctgt gggccaggag 960
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<210> 9
 <211> 630
 <212> PRT
 <213> Homo sapiens

<400> 9

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Ser Trp Trp Ser Leu Glu Cys Gln Leu Ser Pro Ser Ser Leu Ser Ser
 20 25 30

Ala Gly Ser Leu Leu Leu Trp Phe Leu Leu Phe Leu Leu Leu Leu Pro
 35 40 45

Pro Leu Pro Val Leu Leu Ala Asp Pro Gly Ala Pro Thr Pro Val Asn
 50 55 60

Pro Cys Cys Tyr Tyr Pro Cys Gln His Gln Gly Ile Cys Val Arg Phe
 65 70 75 80

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Gly Leu Asp Arg Tyr Gln Cys Asp Cys Thr Arg Thr Gly Tyr Ser Gly
85 90 95

Pro Asn Cys Thr Ile Pro Gly Leu Trp Thr Trp Leu Arg Asn Ser Leu
100 105 110

Arg Pro Ser Pro Ser Phe Thr His Phe Leu Leu Thr His Gly Arg Trp
115 120 125

Phe Trp Glu Phe Val Asn Ala Thr Phe Ile Arg Glu Met Leu Met Arg
130 135 140

Leu Val Leu Thr Val Arg Ser Asn Leu Ile Pro Ser Pro Pro Thr Tyr
145 150 155 160

Asn Ser Ala His Asp Tyr Ile Ser Trp Glu Ser Phe Ser Asn Val Ser
165 170 175

Tyr Tyr Thr Arg Ile Leu Pro Ser Val Pro Lys Asp Cys Pro Thr Pro
180 185 190

Met Gly Thr Lys Gly Lys Lys Gln Leu Pro Asp Ala Gln Leu Leu Ala
195 200 205

Arg Arg Phe Leu Leu Arg Arg Lys Phe Ile Pro Asp Pro Gln Gly Thr
210 215 220

Asn Leu Met Phe Ala Phe Phe Ala Gln His Phe Thr His Gln Phe Phe
225 230 235 240

Lys Thr Ser Gly Lys Met Gly Pro Gly Phe Thr Lys Ala Leu Gly His
245 250 255

Gly Val Asp Leu Gly His Ile Tyr Gly Asp Asn Leu Glu Arg Gln Tyr
260 265 270

Gln Leu Arg Leu Phe Lys Asp Gly Lys Leu Lys Tyr Gln Val Leu Asp
275 280 285

Gly Glu Met Tyr Pro Pro Ser Val Glu Glu Ala Pro Val Leu Met His
290 295 300

Tyr Pro Arg Gly Ile Pro Pro Gln Ser Gln Met Ala Val Gly Gln Glu
305 310 315 320

Val Phe Gly Leu Leu Pro Gly Leu Met Leu Tyr Ala Thr Leu Trp Leu
325 330 335

SEQ List.ST25.txt

Arg Glu His Asn Arg Val Cys Asp Leu Leu Lys Ala Glu His Pro Thr
340 345 350

Trp Gly Asp Glu Gln Leu Phe Gln Thr Thr Arg Leu Ile Leu Ile Gly
355 360 365

Glu Thr Ile Lys Ile Val Ile Glu Glu Tyr Val Gln Gln Leu Ser Gly
370 375 380

Tyr Phe Leu Gln Leu Lys Phe Asp Pro Glu Leu Leu Phe Gly Val Gln
385 390 395 400

Phe Gln Tyr Arg Asn Arg Ile Ala Met Glu Phe Asn His Leu Tyr His
405 410 415

Trp His Pro Leu Met Pro Asp Ser Phe Lys Val Gly Ser Gln Glu Tyr
420 425 430

Ser Tyr Glu Gln Phe Leu Phe Asn Thr Ser Met Leu Val Asp Tyr Gly
435 440 445

Val Glu Ala Leu Val Asp Ala Phe Ser Arg Gln Ile Ala Gly Arg Ile
450 455 460

Gly Gly Gly Arg Asn Met Asp His His Ile Leu His Val Ala Val Asp
465 470 475 480

Val Ile Arg Glu Ser Arg Glu Met Arg Leu Gln Pro Phe Asn Glu Tyr
485 490 495

Arg Lys Arg Phe Gly Met Lys Pro Tyr Thr Ser Phe Gln Glu Leu Val
500 505 510

Gly Glu Lys Glu Met Ala Ala Glu Leu Glu Glu Leu Tyr Gly Asp Ile
515 520 525

Asp Ala Leu Glu Phe Tyr Pro Gly Leu Leu Leu Glu Lys Cys His Pro
530 535 540

Asn Ser Ile Phe Gly Glu Ser Met Ile Glu Ile Gly Ala Pro Phe Ser
545 550 555 560

Leu Lys Gly Leu Leu Gly Asn Pro Ile Cys Ser Pro Glu Tyr Trp Lys
565 570 575

Pro Ser Thr Phe Gly Gly Glu Val Gly Phe Asn Ile Val Lys Thr Ala
580 585 590

SEQ List.ST25.txt

Thr Leu Lys Lys Leu Val Cys Leu Asn Thr Lys Thr Cys Pro Tyr Val
595 600 605

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610 615 620

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625 630

<210> 10
<211> 1860
<212> DNA
<213> Homo sapiens

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cagctgagtg gctatttcct gcagctgaaa tttgacctag agctgctgtt cgggtgtccag 1200
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SEQ List.ST25.txt

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gtcatcaggg agtctcggga gatgcggctg cagcccttca atgagtaccg caagagggtt 1500
ggcatgaaac cctacacctc cttccaggag ctctgtaggag agaaggagat ggcagcagag 1560
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<210> 11
<211> 630
<212> PRT
<213> Homo sapiens

<400> 11

Met Ser Arg Glu Cys Asp Pro Gly Ala Arg Trp Gly Ile Phe Leu Ala
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Ser Gly Gly Ala Leu Asn Ala Arg Leu Ser Pro Ser Ser Leu Ser Ser
20 25 30

Ala Gly Ser Leu Leu Leu Trp Phe Leu Leu Phe Leu Leu Leu Pro
35 40 45

Pro Leu Pro Val Leu Leu Ala Asp Pro Gly Ala Pro Thr Pro Val Asn
50 55 60

Pro Cys Cys Tyr Tyr Pro Cys Gln His Gln Gly Ile Cys Val Arg Phe
65 70 75 80

Gly Leu Asp Arg Tyr Gln Cys Asp Cys Thr Arg Thr Gly Tyr Ser Gly
85 90 95

Pro Asn Cys Thr Ile Pro Gly Leu Trp Thr Trp Leu Arg Asn Ser Leu
100 105 110

Arg Pro Ser Pro Ser Phe Thr His Phe Leu Leu Thr His Gly Arg Trp
115 120 125

Phe Trp Glu Phe Val Asn Ala Thr Phe Ile Arg Glu Met Leu Met Arg
130 135 140

SEQ List.ST25.txt

Leu Val Leu Thr Val Arg Ser Asn Leu Ile Pro Ser Pro Pro Thr Tyr
145 150 155 160

Asn Ser Ala His Asp Tyr Ile Ser Trp Glu Ser Phe Ser Asn Val Ser
165 170 175

Tyr Tyr Thr Arg Ile Leu Pro Ser Val Pro Lys Asp Cys Pro Thr Pro
180 185 190

Met Gly Thr Lys Gly Lys Lys Gln Leu Pro Asp Ala Gln Leu Leu Ala
195 200 205

Arg Arg Phe Leu Leu Arg Arg Lys Phe Ile Pro Asp Pro Gln Gly Thr
210 215 220

Asn Leu Met Phe Ala Phe Phe Ala Gln His Phe Thr His Gln Phe Phe
225 230 235 240

Lys Thr Ser Gly Lys Met Gly Pro Gly Phe Thr Lys Ala Leu Gly His
245 250 255

Gly Val Asp Leu Gly His Ile Tyr Gly Asp Asn Leu Glu Arg Gln Tyr
260 265 270

Gln Leu Arg Leu Phe Lys Asp Gly Lys Leu Lys Tyr Gln Val Leu Asp
275 280 285

Gly Glu Met Tyr Pro Pro Ser Val Glu Glu Ala Pro Val Leu Met His
290 295 300

Tyr Pro Arg Gly Ile Pro Pro Gln Ser Gln Met Ala Val Gly Gln Glu
305 310 315 320

Val Phe Gly Leu Leu Pro Gly Leu Met Leu Tyr Ala Thr Leu Trp Leu
325 330 335

Arg Glu His Asn Arg Val Cys Asp Leu Leu Lys Ala Glu His Pro Thr
340 345 350

Trp Gly Asp Glu Gln Leu Phe Gln Thr Thr Arg Leu Ile Leu Ile Gly
355 360 365

Glu Thr Ile Lys Ile Val Ile Glu Glu Tyr Val Gln Gln Leu Ser Gly
370 375 380

Tyr Phe Leu Gln Leu Lys Phe Asp Pro Glu Leu Leu Phe Gly Val Gln
385 390 395 400

SEQ List.ST25.txt

Phe Gln Tyr Arg Asn Arg Ile Ala Met Glu Phe Asn His Leu Tyr His
405 410 415

Trp His Pro Leu Met Pro Asp Ser Phe Lys Val Gly Ser Gln Glu Tyr
420 425 430

Ser Tyr Glu Gln Phe Leu Phe Asn Thr Ser Met Leu Val Asp Tyr Gly
435 440 445

Val Glu Ala Leu Val Asp Ala Phe Ser Arg Gln Ile Ala Gly Arg Ile
450 455 460

Gly Gly Gly Arg Asn Met Asp His His Ile Leu His Val Ala Val Asp
465 470 475 480

Val Ile Arg Glu Ser Arg Glu Met Arg Leu Gln Pro Phe Asn Glu Tyr
485 490 495

Arg Lys Arg Phe Gly Met Lys Pro Tyr Thr Ser Phe Gln Glu Leu Val
500 505 510

Gly Glu Lys Glu Met Ala Ala Glu Leu Glu Glu Leu Tyr Gly Asp Ile
515 520 525

Asp Ala Leu Glu Phe Tyr Pro Gly Leu Leu Leu Glu Lys Cys His Pro
530 535 540

Asn Ser Ile Phe Gly Glu Ser Met Ile Glu Ile Gly Ala Pro Phe Ser
545 550 555 560

Leu Lys Gly Leu Leu Gly Asn Pro Ile Cys Ser Pro Glu Tyr Trp Lys
565 570 575

Pro Ser Thr Phe Gly Gly Glu Val Gly Phe Asn Ile Val Lys Thr Ala
580 585 590

Thr Leu Lys Lys Leu Val Cys Leu Asn Thr Lys Thr Cys Pro Tyr Val
595 600 605

Ser Phe Arg Val Pro Asp Ala Ser Gln Asp Asp Gly Pro Ala Val Glu
610 615 620

Arg Pro Ser Thr Glu Leu
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<210> 12
<211> 30

SEQ List.ST25.txt

<212> DNA
<213> primer

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<210> 13
<211> 33
<212> DNA
<213> primer

<400> 13
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<210> 14
<211> 38
<212> DNA
<213> primer

<400> 14
tggcattcaa ggctccacca ggaggccaag aaaattcc 38

<210> 15
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<212> PRT
<213> oligopeptide

<400> 15
Met Ser Arg Glu Cys Asp Pro Gly Ala Arg Trp Gly Cys
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